

Message Text

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TAGS: EAGR, TGEN, US

SUBJ: US-USSR AGREEMENT ON AGRICULTURAL COOPERATION: PRODUCTION
OF CROPS UNDER SEMI-ARID CONDITIONS AND CONTROLLING
WIND EROSION

REF: A. BARROWS LETTER TO PANNIKOV OF FEBRUARY 4

B. TOFAS 22

1. U.S. SIDE PROPOSES DATES OF VISIT BE MOVED BACK TO MAY 18 -
JUNE 8. INFORMATION ON QUALIFICATIONS AND INTERESTS OF U.S.
SCIENTISTS ON TEAM IS GIVEN BELOW TO ASSIST SOVIET SIDE IN
SUGGESTING ITINERARY. U.S. SIDE UNABLE TO IDENTIFY SPECIFIC
INSTITUTES WHERE MOST PRODUCTIVE EXCHANGE OF VIEWS MIGHT
TAKE PLACE AND REQUESTS SOVIET SUGGESTIONS AND ASSISTANCE IN
PLANNING ITINERARY BENEFICIAL TO BOTH SIDES.

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2. FOLLOWING IS LIST OF PARTICIPANTS:

N.P. WOODRUFF, AGRICULTURAL ENGINEER, HEAD, SPECIAL LAB
ON WIDE EROSION RESEARCH. SPECIALTY: WIND EROSION RESEARCH

A.L. BLACK, SOIL SCIENTIST, ARS, NORTH PLAINS SOIL AND WATER
RESEARCH CENTER. SPECIALTY: DRY LAND AGRICULTURE.

R.H. TLEEDY, FARM EQUIPMENT ENGINEER, MANAGER PRODUCT
PLANNING - ALLIS CHALMERS, MEMBER, CONSERVATION TILLAGE
PROGRAM, FARM AND INDUSTRIAL EQUIPMENT INSTITUTE (FIEI),
USDA TILLAGE CONFERENCE. SPECIALTY: FARM ENGINEERING

W.A. HAYES, CONSERVATION AGRONOMIST, USDA-SCS. SPECIALTY:
SOIL CONSERVATION

A.H. FERGUSON, SOIL PHYSICIST RESEARCHER, PROFESSOR OF SOIL
PHYSICS, MONTANA STATE UNIVERSITY. SPECIALTY: SOIL PHYSICS

P. SCHLEUSNER, AG. ENGINEER, CSRS, SUPERVISOR OF AG. ENGINEER
RESEARCH, ACTING ASSISTANT ADMINISTRATOR FOR CSRS.

3. OBJECTIVES OF VISIT ARE:

A. TO ORIENT PARTICIPANTS RELATIVE TO EACH COUNTRY'S RESEARCH
PROJECTS, PRACTICES AND CURRENT METHODS.

B. TO IDENTIFY OPPORTUNITIES FOR COOPERATIVE RESEARCH HAVING
ONE OR MORE OF FOLLOWING OBJECTIVES.

1. EVALUATE EFFECTIVENESS OF BARRIERS AND SHELTER BELTS
AS MEANS OF WIND EROSION CONTROL.

2. DEVELOP SPECIAL EQUIPMENT AND TILLAGE METHODS WHEREBY
SURFACE RESIDUES AND SOIL STRUCTURES MAY BE USED FOR WIND
EROSION CONTROL AND MOISTURE CONSERVATION.

3. DEVELOP MODELS THAT WOULD UTILIZE SOIL AND METEOROLOGICAL
DATA TO PREDICT WIND EROSION POTENTIALS.

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4. DETERMINE INFLUENCE OF RESIDUE INCORPORATION INTO SOIL
ON YIELDS OF SMALL GRAINS UNDER LOW RAINFALL CONDITIONS.

5. DETERMINE MACHINE AND EQUIPMENT FACTORS AFFECTING PRO-
DUCTION OF SMALL GRAIN PRODUCTION UNDER LOW RAINFALL CON-
DITIONS AND SHORT GROWING SEASONS.

6. DEVELOP EQUIPMENT AND EQUIPMENT USING TECHNIQUES FOR
MAXIMIZING SMALL GRAIN PRODUCTION UNDER LOW RAINFALL CONDITIONS
AND SHORT GROWING SEASONS.

7. DETERMINE EFFECTS OF MECHANIZED CROP PRODUCTION DE-
PENDING ON CLOUD SIZE, RESIDUE MANAGEMENT, MOISTURE CONSER-
VATION AND OTHER FACTORS GOVERNING CROP PRODUCTION.

8. URGENTLY REQUEST INDICATION SPECIFIC RESEARCH LOCATIONS
WHERE U.S. SCIENTISTS CAN OBSERVE CITED TOPICS. ALSO URGE
USSR WORKING GROUP BE PREPARED TO DISCUSS DETAILS OF SCHEDULE
AT WORKING GROUP MEETING IN U.S. APRIL 10-12. RUSH

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